

How to Make Concrete Posts

Winter a Good Time to Do the Work—Expense No More than for Wood and Fence—More Servicable.

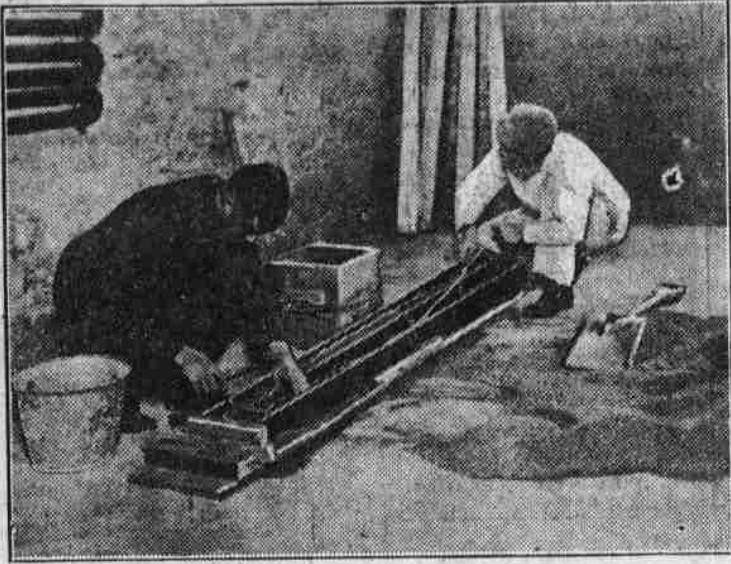
By M. A. R. Kelley, Assistant in the College of Agriculture, U. of Mo.

Concrete posts are not difficult to make, and anyone who is handy with tools can make a set of post molds in a short time. There have been many different types of home-made molds made, but when made of wood they have one drawback—they soon warp out of shape and do not remain serviceable for any length of time. If many posts are to be made it is usually more economical to purchase steel molds. These can now be purchased very reasonably. Steel molds for a single post may be purchased for from \$2.50 to \$3.50 each, and in sets of six from \$12 to \$15.

All concrete fence posts should be reinforced. Some people possess the erroneous idea that old barbed wire makes good reinforcement and all that is necessary is to use lots of it.

Clean, coarse sand and gravel should be used, proportions of one part cement to three parts sand and gravel. If the aggregate is screened and graded a good mixture is composed of one part cement to two parts sand and four parts gravel. The gravel should be graded in size from one-fourth inch to one-half inch in diameter. Nothing larger should be used in the small posts. In larger posts, such as corner and gate posts, larger-sized gravel may be used with economy.

There are two methods of making concrete posts, namely the wet and the dry method. In the first method the concrete is mixed wet, using an excess amount of water. The concrete is then poured into molds and allowed to set in the molds. In the



Students in the College of Agriculture, University of Missouri, making concrete fence posts—placing the reinforcements.

The purpose of reinforcing is to add strength to the concrete. Old rusty wire and scrap iron which itself has been weakened by rust and corrosion cannot add strength to the concrete.

The most desirable form of reinforcement is the round, square or twisted square bar and some of the special patented forms. Flat, wide bars do not give a good bond. The reinforcement should be placed in the corners of the post at a distance of three-quarters to one inch from the



Preparing the mixture.

outside surface of the post. Reinforcement placed in the center of the posts adds nothing to the strength of the posts and is a waste of material.

In making the concrete a good quality of cement should be used. Very little need be said in regard to this, as there are many good brands on the market.

RURAL SCHOOL IS A HOME

By R. H. Emberson, Professor of Rural Education, University of Missouri.

The school house is a community home where children from nearly all families spend six to eight hours a day. For this reason the building should be comfortable. It can be made attractive also it will be much better suited for the purposes of education.

A large majority of rural school buildings are not underplanned. On account of this fact it is impossible to keep the floors warm. These buildings are usually warmed by a stove

placed in the center of the room. The stoves are not jacketed, and as a result children seated at the greatest distance from the stove suffer from cold, while those near it suffer with heat.

The air in the average rural school room should be changed at least every 20 minutes, but it is seldom changed more than once a day. No wonder that children suffer with headache, dizziness, nervousness and fatigue.

School rooms should have patent heaters. They admit plenty of fresh air and warm the rooms equally in all parts. In case it is not possible to have a patent heater, the stove should be placed in one corner and jacketed. This jacket should reach nearly to the floor.

For Worm Books.

The most beautiful books are bound with leather. If in constant use the calf or morocco soon becomes worn. To remedy this condition use equal quantities of white of egg and water beaten together. Apply with a soft brush or piece of flannel. When thoroughly dry, polish with a fresh piece of flannel.

In the wine region of Spain the method of treading the grapes is everywhere about the same. The grapes are well spread out in the press and barefooted men or men wearing sandals or wooden soled shoes tread them.

There are several different grades of tankage on the market. For this reason care should be taken when buying to see that one is getting just what he is paying for. The best grade of tankage runs about 60 per cent protein.

It matters not how a man dies, but how he lives.—Johnston.

GRAFTS PIGSKIN ON MEN

Best Material for Certain Operations, Says Physician Before Medical Association.

Kansas City, Mo.—A number of heroes are apt to be thrown out of jobs, according to Dr. C. S. Venable of San Antonio, Tex., who spoke on "The Use of Pigskin in Grafting," before the Medical Association of the Southwest recently in session here.

Doctor Venable, an authority on skin grafting, said the skin of the young pig is the best material available for such operations. He said: "It is even better than human skin. Records show that only about fifty per cent. of the skin grafted from a person other than the patient takes. The percentages of takes from other animals, including the rabbit, frog, cat, dog, chicken and guinea pig, all of which have been used, is only about thirty-two per cent. Their organisms are too frail to stand the strain. In experiments covering three years I have shown that seventy-five to one hundred per cent. of the pigskin grafted to human beings takes."

"Had surgeons known of the value of pigskin, William Ruger, the Gary newsboy who gave his life to save that of a girl he had never seen, would be alive today. Reba Hainds, who owes a debt of gratitude to one hundred Kansas Citizens, might owe her debt to several young porkers."

"Cell conditions, especially with reference to their hardness and rapidity of growth, are the primary factors in skin grafting. My experiments show that when a pig is injured, even though it lives in the filthiest of conditions, its wounds heal more rapidly than those of any other living thing."

"In a pig of from two to six months old the cells show the greatest resistance power. I etherize the animal, carefully clean the skin, shave it off below the hair follicles and graft. By shaving it in this way the danger of bristles on the new body is obviated. The new skin is about the same thickness and texture as human skin, and serves as an excellent substitute."

FINANCING A DUTCH CITY

Amsterdam Owns Most of Her Public Utilities, Yet Her Municipal Debt Is Low.

London.—The city of Amsterdam owns the gas, water, and electricity works, the street railroads, the telephone system, many of the docks and a large amount of ground in the central business section, which is leased for building purposes. Considering all this valuable property, the municipal debt, which stood at \$50,625,146 on January 1, 1913, is not high for a city of 591,000 population. The debt was reduced last year by \$1,200,000. The annual interest ranges from 2 1/2 to 4 per cent.

The receipts and expenditures of the city for 1914 are officially estimated at \$15,649,811, an increase of



Famous Amsterdam Landmark.

nearly \$800,000 over the estimate for 1913. Receipts and expenditures are always estimated at the same amount.

More than a third of the receipts come from taxes; more than a fifth from the municipal undertakings (gas, electricity, street cars, water etc.), and from rent of ground owned by the city and let on long leases to owners of buildings thereon, these two sources contributing more than half the receipts.

The largest expense item, \$3,500,000, is for interest and payments on principal of debt; the next largest is \$2,800,000 for educational purposes; poor relief and the support of charitable institutions take \$1,200,000, while police, street lighting, and fire department together take about the same.

FAMILY TAINT AFFECTS 480

Remarkable Record of Feeble-Mindedness Traced by Doctor Goddard of New Jersey.

Vineland, N. J.—One of the most remarkable researches in human biology that has ever been made—a record of which surpassed by far the researches of scientists which have been diligently made in the subject during the last century—was made public by Dr. Henry Herbert Goddard, director of the research laboratory of the Training School for Feeble Minded Girls and Boys.

Doctor Goddard had the case of a feeble minded girl before him recently, and he commenced an investigation into the history of her case.

He found that before the revolutionary war a young soldier of good and sturdy stock had an illicit love affair with a feeble minded girl. A son was born and he grew up a feeble minded child and married. From that feeble minded child have come 480 descendants. One hundred and forty-three of these were or are feeble minded, while forty-seven have been found to be normally developed. The conditions of the rest are unknown or doubtful.



Lameness

Sloan's Liniment is a speedy, reliable remedy for lameness in horses and farm stock. Here's proof.

"I had a horse sprain his shoulder by pulling, and he was so lame he could not carry foot at all. I got a bottle of Sloan's Liniment and put it on four times, and in three days he showed no lameness at all, and made a thirty mile trip."

For Splint and Thrush "I have used Sloan's Liniment on a fine mare for splint and thrush. This makes the third horse I've cured. Have recommended it to my neighbors for thrush and they say it is fine. I find it the best Liniment I ever used. I keep on hand your Sure Cure for my self and neighbors, and I can certainly recommend it for Colic."—S. E. Smith, McDonough, Ga.

SLOAN'S LINIMENT

is a quick, safe remedy for poultry rump, canker and bumble-foot. Try it.

For Rump and Canker "Sloan's Liniment is the speediest and surest remedy for poultry rump and canker in all its forms, especially for canker in the windpipe."—E. F. Spindel, Ag. Ag. Ag. Ag. Ag.

At all Dealers, 25c., 50c. & \$1.00

Read Sloan's Book on Horses, Cattle, Hogs and Poultry; sent free.

Address DR. EARL S. SLOAN, Inc., Boston, Mass.

TOO ACCURATE A PICTURE

Colored Man's Interest in Science Proved to Be a Good Deal Personal.

A colored man, having heard of the wonderful powers of the X-ray, called on a scientist one day for more particulars and said:

"Say, boss, they tell me there is a machine that will enable one man to look right into another man."

"I believe there is something of that kind," said the scientist.

"Then," said the negro, "if I done had chicken for supper would they be able to see it?"

"No doubt they could," assured his friend.

"Well, here's what I done come to ax yuh," said the colored man, looking worried, "do you suppose they could get a good enough likeness of de chicken to enable de ownah to recognize him?"

FACE ITCHED AND BURNED

383 No. Union St., Aurora, Ill.—"My ailment started with a little pimples and it always itched and burned terribly. I scratched it and in a few days my face was all covered with sores. It ran up to my eyes and the day after I could not see out of my right eye. I was unable to get any rest. I couldn't go to bed, being afraid of getting the clothing all soiled, although I had my face all bandaged."

"I was given two jars of salve but it kept getting worse. It was something like a running sore because every time I used some of the salve I had to wrap bandages around my neck to keep the water and pus from running down my body. I wrote for a sample of Cuticura Soap and Ointment and in a few days I received them and washed my face with the Cuticura Soap and put on some Cuticura Ointment and the next morning my face felt cool and somewhat relieved."

"After using the sample I bought some Cuticura Soap and Ointment at the drug store. I followed this treatment just twenty-six days and after using one cake of Cuticura Soap and two boxes of Cuticura Ointment I was cured." (Signed) George Miller, Jan. 1, 1913.

Cuticura Soap and Ointment sold throughout the world. Sample of each free, with 32-p. Skin Book. Address postcard "Cuticura, Dept. L, Boston."—Adv.

A Great Age.

"What are you working on now?"

"An X-ray lantern for policemen. You can project it through a bank wall and see if any burglars are inside."

Naturally So.

"That top seems to have fallen upon his salad days."

"Maybe that is why he is so particular about his dressing."

Pretty Tough.

"What did the editor do with your September poem?"

"Kept it until September was over and then sent it back."

Always the Case.

"I feel apprehensive about this marriage."

"That's nothing. There are always misgivings at weddings."

Preaching and Practice.

"I have never listened to a speech that was more vituperative."

"What was the orator's theme?"

"Temperance."

No Use.

Friend—Why don't you write a sex work if you want to get on the stage? Author—I did. I wrote a sextette.

Coughs come from inflamed Bronchial Tubes. Dean's Mentholated Cough Drops heal the irritation—5c at all Drug Stores.

Nothing is the thing women cry over and men fuss about.

UNABLE TO MAKE IT OUT

Congressman's Diary, Brought Out After Lapse of Years, a Great Disappointment to Him.

Representative Sisson of Mississippi said in his wondrous witty way of the currency bill:

"It is a disappointment to me—as much a disappointment as my diary was."

"I came across an old diary the other day."

"Aha," I said to myself, "now I shall relive vividly again my life of eighteen years ago. What delightful things this dear old diary will call to memory!"

"And I opened the book to entry after entry like this:

"Sun.—Cloudy. To c. Shaw A. Half."

"Mon.—Settled at last. Ham and cabbage. Joe."

"Tues.—Called on Joe. Accounts. Sunfries."

"Wed.—At last. Eve. papers again. Thurs.—Took express. Soup. Saw L. M. Socks."

"Fri.—Oysters. Remember new idea. Bound to come."

"Sat.—J."

"So the diary ran on—page after page of initials and abbreviations and single word sentences that I could make neither head nor tail of."

"My dear old diary, in a word, was Greek to me. What a disappointment!"

Very Big Handkerchief.

Mr. Frederick Wile, the author of that much-discussed book, "Men Around the Kaiser," tells some excellent stories about a number of well-known Germans.

Dr. Paul Ehrlich, the famous scientist, had a habit in his younger days, says Mr. Wile, of collecting any pieces of old linen he found about the house with which to clean his scientific instruments, his microscopic slides, and so on. Cast-off shirts and old handkerchiefs were his specialties, and he used to stuff them all to his capacity into his pockets so as to have them handy whenever he required them.

At a public lecture one hot day Dr. Ehrlich perspired freely, and, wanting to mop his brow, he put his hand into the nearest pocket and grasped what he thought to be a handkerchief. He tugged and tugged, and it came out and came out until he had exposed to the full view of his astonished audience a complete nightgown belonging to his wife.—Pearson's Weekly.

New Phase of Red Cross Activity.

The need of instruction in the proper care of children and home nursing of the sick in the smaller towns and rural communities of the country has never been questioned, and although in some cities visiting nurse organizations exist and anti-tuberculosis societies support nurses in their particular line of work, it has remained for the American Red Cross to take up rural nursing as a national proposition. Nurses who enter this service are required by the Red Cross to have special training or experience in public health nursing. In the Red Cross Magazine for October Miss Fannie F. Clement, the superintendent of Rural Nurses, describes the organization plans and possibilities for good of the rural nursing branch of Red Cross work.

Please Do!

Although he was suffering from a severe attack of laryngitis, he decided to descend to the parlor and receive Jack, who was making a "sympathy" call.

Sympathy being so closely akin to that other sentiment, matins progressed. Finally he ventured:

"And what would you do, Gladys, if I attempted to kiss you?"

"I'd scream!"

"Then I won't."

"But—but, Jack—it's all I can do to whisper."

Hi—Ho—Mum!

They were talking of the genus bore.

"Yes," said the hostess, "Tompkins is a terrible bore. He spent the summer with us on the Delaware river and bored us to death."

"I suppose," said the wit, "he even made the Delaware Water Gap!"

Essentials.

"Why don't you have a den at your house?"

"What's the use. I've quit smoking and I don't happen to own a Malay kris."

Not Attracted.

"Scientists say that the eel is little known."

"Well, I am the last person in the world to say: 'Introduce me.'"

An Ancient Authority.

"Who was Homer?"

"The great sporting writer who wrote the Greek-Trojan series."

Beware of the girl who is a peach; peaches have hearts of stone.

PUTNAM FADELESS DYES

Color more goods brighter and faster colors than any other dye. One 10c package colors all fibers. They dye in cold water better than any other dye. You can dye any garment without ripping apart. WRITE FOR FREE booklet, calendar, blotters, etc. MONROE DRUG COMPANY, Quincy, Ill.

State Reasons.

"Kings should never be bald-headed."

"Why kings especially?"

"Because reasons of state make it necessary for them to have heirs apparent."

Especially.

Moralist—The outsider who buys stocks is a gambler, pure and simple. Ticker—Especially simple.—Judge.

The first public telephone office was opened on Seventh street, Washington, D. C., April 1, 1845.

Love will push a man into matrimony, but it takes a lawyer to pull him out.

THOUSANDS CALLED TO HELP

Members of the Y. M. C. A., Among Others, Will Help to Make Tuberculosis Day Notable.

Nearly 600,000 members of the Young Men's Christian association of the United States, including several thousand members of the allied health leagues, hundreds of physical directors and 345,000 members of the physical department will be urged to co-operate in the Tuberculosis day campaign during the week of December 7.

Lectures and discussions on tuberculosis will be held on Sunday afternoon, December 7, and during the week preceding or the week following that date, by many organizations connected with the Y. M. C. A. Prominent speakers in various cities of the country will address these meetings. The details of the program are being worked out by Dr. George J. Fisher, director of the physical department of the international committee of the association.

Secretaries of the local branches of the Y. M. C. A., or members of the association who are interested in this subject can secure literature, free of charge, from the office of the National association, 105 East Twenty-second street, New York city.

Some Mover.

Mrs. Howland was of a very quiet, reposeful disposition, while her husband was exactly the opposite; energetic and ambitious.

"Henry," she said, complainingly, one afternoon, "I wish you would not be so nervous and forever on the move. Will you never take a rest?"

"I never expect to be able to rest till I get in my grave," he replied, "and then it will be just my luck that the next day will be the resurrection."

Taking No Chances.

"Poppy, dear, I might win a rich husband if you let me go to the seashore this summer."

"But, my daughter, you have been going to a different place each year. Remember, a rolling stone gathers no moss."

"I know, poppy; but this time I am going to a place where I will be the only pebble on the beach."—Judge.

The Intent.

"What do you think? I called Jimbo by a hard name and he looked pleased."

"That's funny! What did you call him?"

"A brick."

No Danger.

"I see our neighbor, the detective, has got himself an automobile and he's going to kill somebody."

"Don't be afraid. He'll never run anybody down."

The Reason.

"Why don't they ever put the flag on postage stamps?"

"Great Jupiter, man! Do you want it to be eternally licked?"

ASK FOR ALLEN'S FOOT-PADE.

The Antiseptic powder to shake into your shoes. Relieves Corns, Bunions, Ingrowing Nails, Swollen and Sweating Feet, Blisters and Calluses spots. Sold everywhere. Don't accept any substitute. Sample FREE. Address, A. S. Olmsted, Le Roy, N. Y. Adv.

Naturally.

"Why do the multitude take so little interest in aviation?"

"That's an easy one. Because it is over their heads."

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

Ought To.

"Pop, trees won't grow by the seaside, will they?"

"No, my son."

"I should think the beech would."

WHENEVER YOU NEED

A GENERAL TONIC - TAKE GROVE'S

The Old Standard Grove's Tasteless chill Tonic is Equally Valuable as a General Tonic because it Acts on the Liver, Drives Out Malaria, Enriches the Blood and Builds up the Whole System. For Grown People and Children.

You know what you are taking when you take Grove's Tasteless chill Tonic as the formula is printed on every label showing that it contains the well known tonic properties of QUININE and IRON. It is as strong as the strongest bitter tonic and is in Tasteless Form. It has no equal for Malaria, Chills and Fever, Weakness, general debility and loss of appetite. Gives life and vigor to Nursing Mothers and Pale, Sickly Children. Removes Biliousness without purging. Relieves nervous depression and low spirits. Arouses the liver to action and purifies the blood. A True Tonic and sure appetizer. A Complete Strengthening. No family should be without it. Guaranteed by your Druggist. We mean it. 50c.

WORMS.

"Wormy," that's what's the matter of 'em. Stomach and intestinal worms. Nearly as bad as dysentery. Don't physic 'em to death. Spohn's Cure will remove the worms, improve the appetite, and build 'em up all around, and don't 'physic.' Acts on the glands and blood. Fall directions with each bottle, and sold by all druggists.

SPHON MEDICAL CO., Chemists, Goshen, Ind., U. S. A.

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Color more goods brighter and faster colors than any other dye. One 10c package colors all fibers. They dye in cold water better than any other dye. You can dye any garment without ripping apart. WRITE FOR FREE booklet, calendar, blotters, etc. MONROE DRUG COMPANY, Quincy, Ill.

The Wretchedness of Constipation

Can quickly be overcome by CARTER'S LITTLE LIVER PILLS.

Purely vegetable—act surely and gently on the liver. Cure Biliousness, Headache, Dizziness, Indigestion. They do their duty. SMALL PILL, SMALL DOSE, SMALL PRICE. Genuine must bear Signature.

W. L. DOUGLAS SHOES

Men's \$2.00 \$2.50 \$3.00 \$3.50 \$4.00 \$4.50 \$5.00 \$5.50 \$6.00 \$6.50 \$7.00